

NOTICE INVITING QUOTATION

NIQ ref. no.: IITD/PHYS/2013/PKM/SA

Due Date: 15 Oct 2013/5:00 PM

Sealed quotations along with complete details (brochure/web-site details) are invited for procuring a spectrum analyzer (*Quantity – 1 Number*) as per following desired specifications.

<i>Item Description</i>	Spectrum analyzer for frequency domain measurements up to 20 GHz or higher
<i>Parameters</i>	<i>Specifications</i>
<b>Main Unit</b>	
Frequency range	Lower Limit 1 MHz or less Upper Limit 20 GHz or higher
SSB phase noise @ 10 kHz offset (f = 500 MHz)	≤ -90 dBc/Hz
Noise floor(DANL @1 kHz RBW)	≤-100 dBm at 1 GHz
Dynamic Range	50 dB or higher
Amplitude accuracy	±0.5 dB or smaller
Input Attenuation	Variable 0 to 65 dB or higher
Resolution bandwidths	Variable, Lower limit 1 kHz or lower Upper limit 3 MHz or higher
Video bandwidths	Variable, Lower limit 1 kHz or lower Upper limit 3 MHz or higher
Sweep time	Variable , Lower Limit 2.5 ms or lower Upper Limit 16000 s
Zero span	Variable, Lower Limit 1 μs or lower Upper Limit 4000 s or higher
Trace Points	Variable, Lower Limit 125 or lower Upper Limit 32001 or higher
Total level uncertainty	≤2 dB
Trigger functions	Free run and external
Interfaces options	LAN, or USB 2.0 ports, or GPIB interfaces
Operating temperature range	0 to 50 °C
Ac Power	230 V 50 Hz

TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

- 1. Delivery** The rates quoted must be for **FOB**
- 2. Payment Terms** Acceptable payment term is through Letter of Credit. The vender must provide complete details regarding the offered mode of payment. **Quotations offering the Advanced Payment terms will not be entertained.**
- 3. Validity of quotations** Quotations will be considered **valid for 3 months** from the date of receipt unless otherwise stated.
- 4. Correspondence** No correspondence regarding acceptance/rejection of a quotation will be entertained.
- 5. Submission of quotations** Separate technical and commercial quotations, in sealed covers mentioning our **N.I.Q. REFERENCE AND DUE DATE FOR OPENING** on the envelope itself, should be submitted to the undersigned as otherwise it will

- not be considered.
- 6. Discount/ rebates** Special discount/rebate wherever admissible may please be indicated, keeping in view that the supplies are being made for Educational purpose in respect of Public Institution of National importance.
- 7. Warranty & delivery period** **Necessary information must be provided in respect of**  
(a) Warranty (**preferably 3 years**) and  
(b) Delivery period
- 8. Agency-ship Certificate** The vendor must attach with the offer a **latest sole selling and servicing agency-ship certificate from OEM** for sales/services in India.
- 9. Printed brochures/web-site links** The printed brochures and website link detailing the technical specifications of the items quoted **MUST** be provided in the offer, failing which the offer *shall not be considered*.
- 10. Proprietary item** In case the offered equipment is **proprietary in nature**, the same be mentioned on the envelope containing the bids. In addition, the necessary **proprietary certificate** stating clearly the proprietary details should be furnished together with Technical quotation.
- 11. Rejection** Quotations not conforming to above terms and conditions will be rejected.
- 12. Institute's rights** Institute reserves the rights of acceptance or rejection of any or all quotations without assigning any reason(s). The discretion for increasing or decreasing of the quantities demanded also vests with the Institute.

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